



# ROOTS, STEM, LEAVES: LESSON 1

## MEET A TREE

Teacher

**SUBJECTS:** Science, Language Arts

**SKILLS:** Identifying characteristics of Trees

### MATERIALS

- Computer/tablet/phone
- FLIPGRID Challenge: Meet a Tree

## COMMON CORE STATE STANDARDS (CCSS)

### ENGLISH LANGUAGE ARTS

- 2.SL.2** Retell or describe key ideas or details from a text read aloud or information presented in various media and other formats (e.g., orally).
- 3.SL.4** Report on a topic or text, tell a story, or recount an experience with appropriate facts and relevant, descriptive details, speaking clearly at an understandable pace.
- 3.SL.6** Speak in complete sentences when appropriate to task and situation in order to provide requested detail or clarification.

### SCIENCE (OHIO LEARNING STANDARDS)

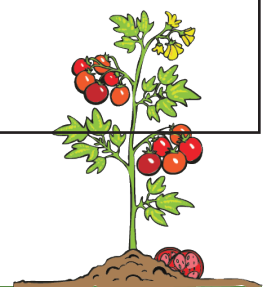
- 3.LS.3** Plants and animals have life cycles that are part of their adaptations for survival in their natural environments.

### ESSENTIAL QUESTIONS

1. Can I explain details of the distinguishing characteristics of my tree?
2. How do the specific characteristics of plant parts of different kinds of plants help us distinguish them?
3. What is the function of a plant stem?

### I CAN STATEMENTS (LEARNING OBJECTIVES)

1. I can explain details of how I could distinguish my tree from the others.
2. I can differentiate different trees and other plants by their specific parts.
3. I can identify the function of different plant parts.



## LINKS

- **Slug Science Journey Homepage** <https://www.miamicountyparks.com/node/1257>
- **Roots, Stems, Leaves Video** <https://vimeo.com/videobranch/review/415273115/2e49421561>

## ACTIVITY

As demonstrated in the SLUG SCIENCE JOURNEY video and Roots Stems Leaves **FLIPGRID Challenge: Meet a Tree**, students are challenged to explore with all their senses the stems of trees and imagine the xylem and phloem inside the bark that carries the water up and the food down the tree. Students need to determine with the sense of touch only how their tree is different from all others around. Students will have their partner in the game take a video of the partner's exploration using Roots Stems Leaves **FLIPGRID Challenge: Meet a Tree**. Student will explain on FLIPGRID video the details of the characteristics of their tree that made it possible to relocate it. After finding their tree, students will celebrate by digging their toes into some dirt and imagining their toes are the roots of the tree transporting water through the xylem up the tree stem!

## EVIDENCE OF ACTIVITY

Students will submit the **FLIPGRID Challenge: Meet a Tree**.